



Fig.1
PRIOR ART

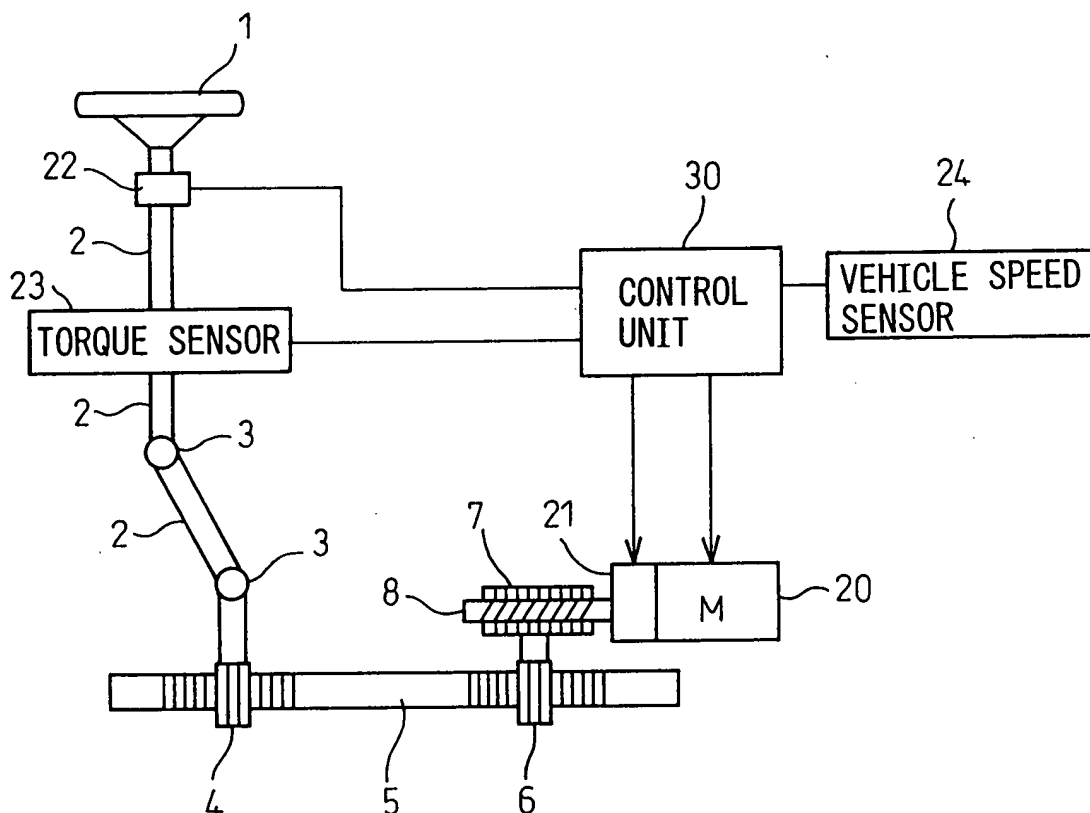




Fig. 2

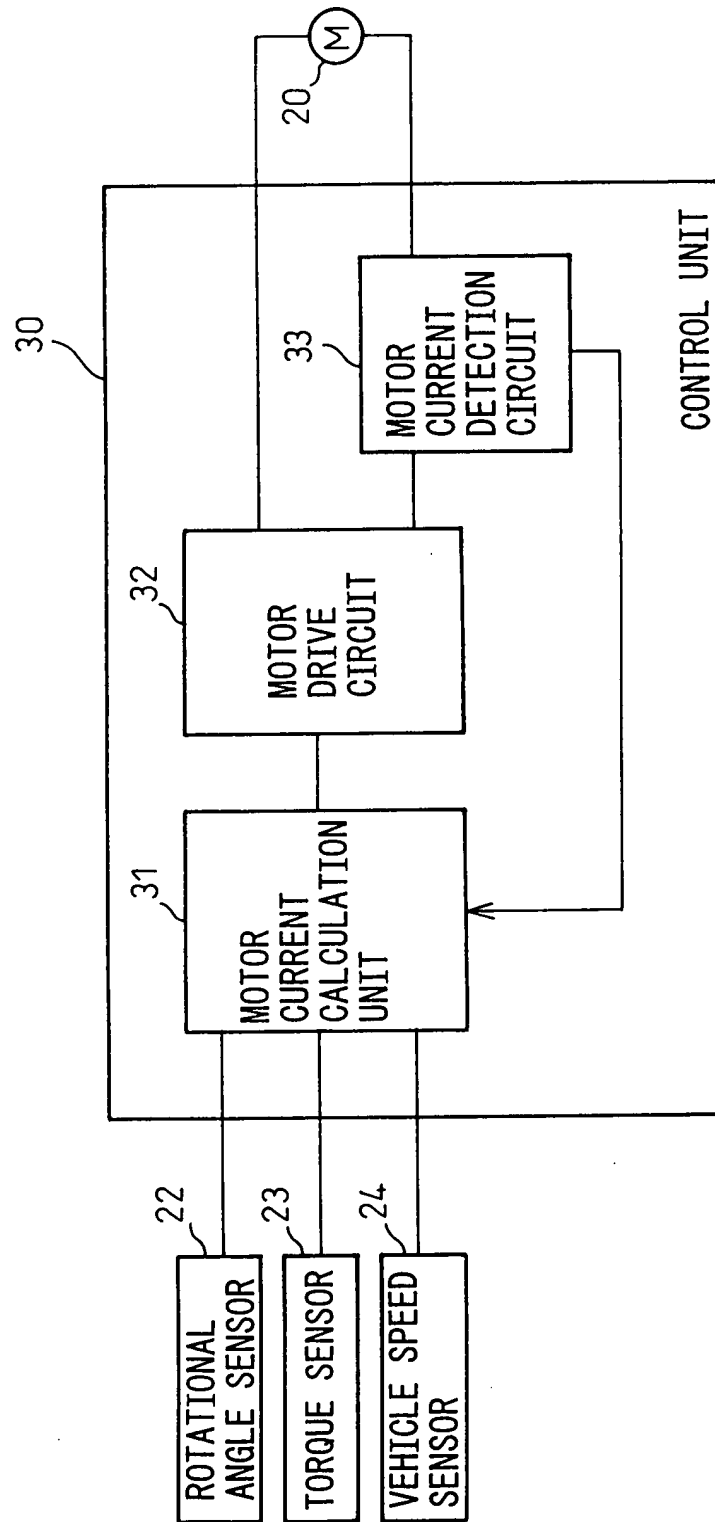




Fig.3

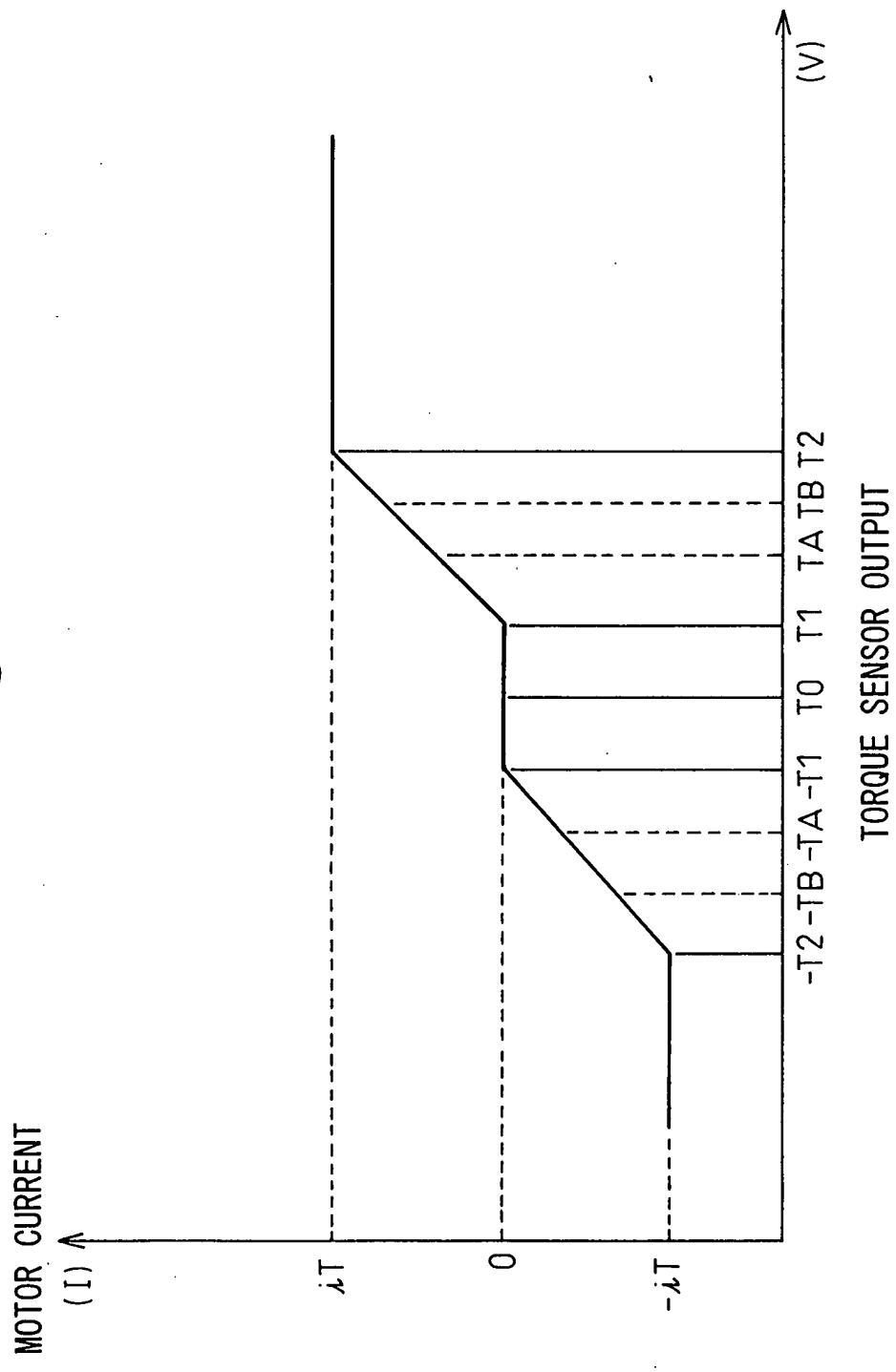




Fig.4

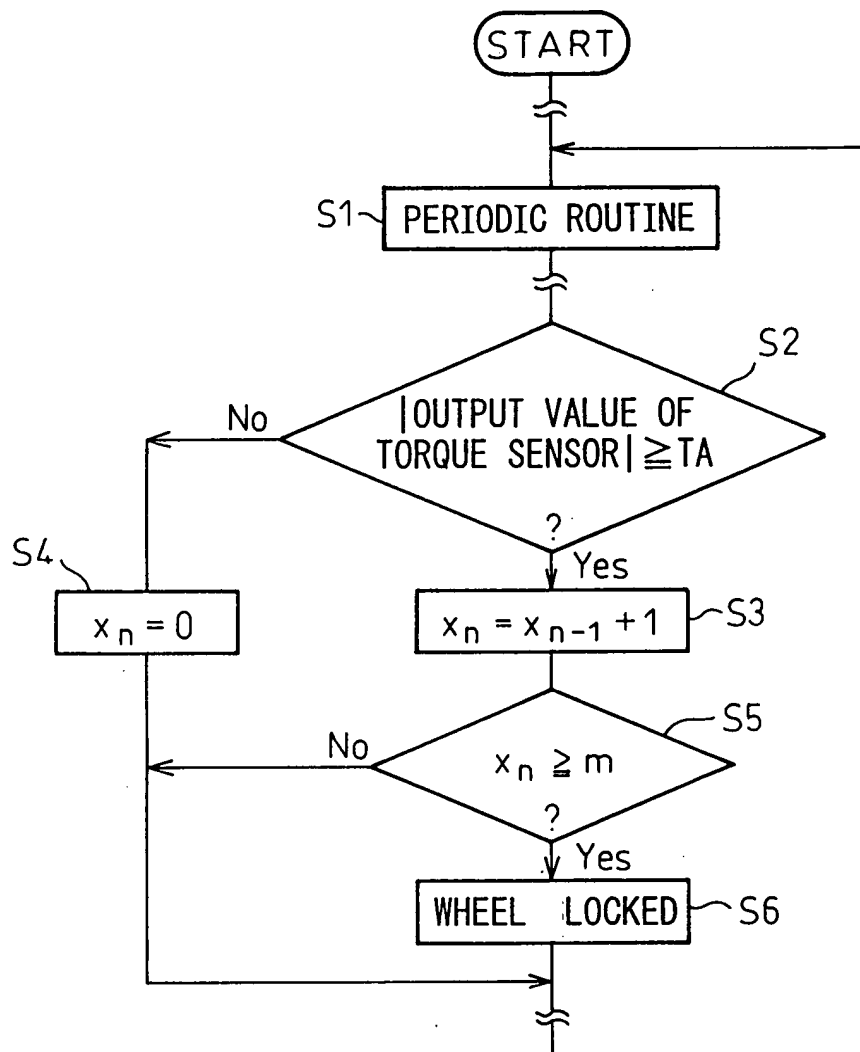




Fig.5

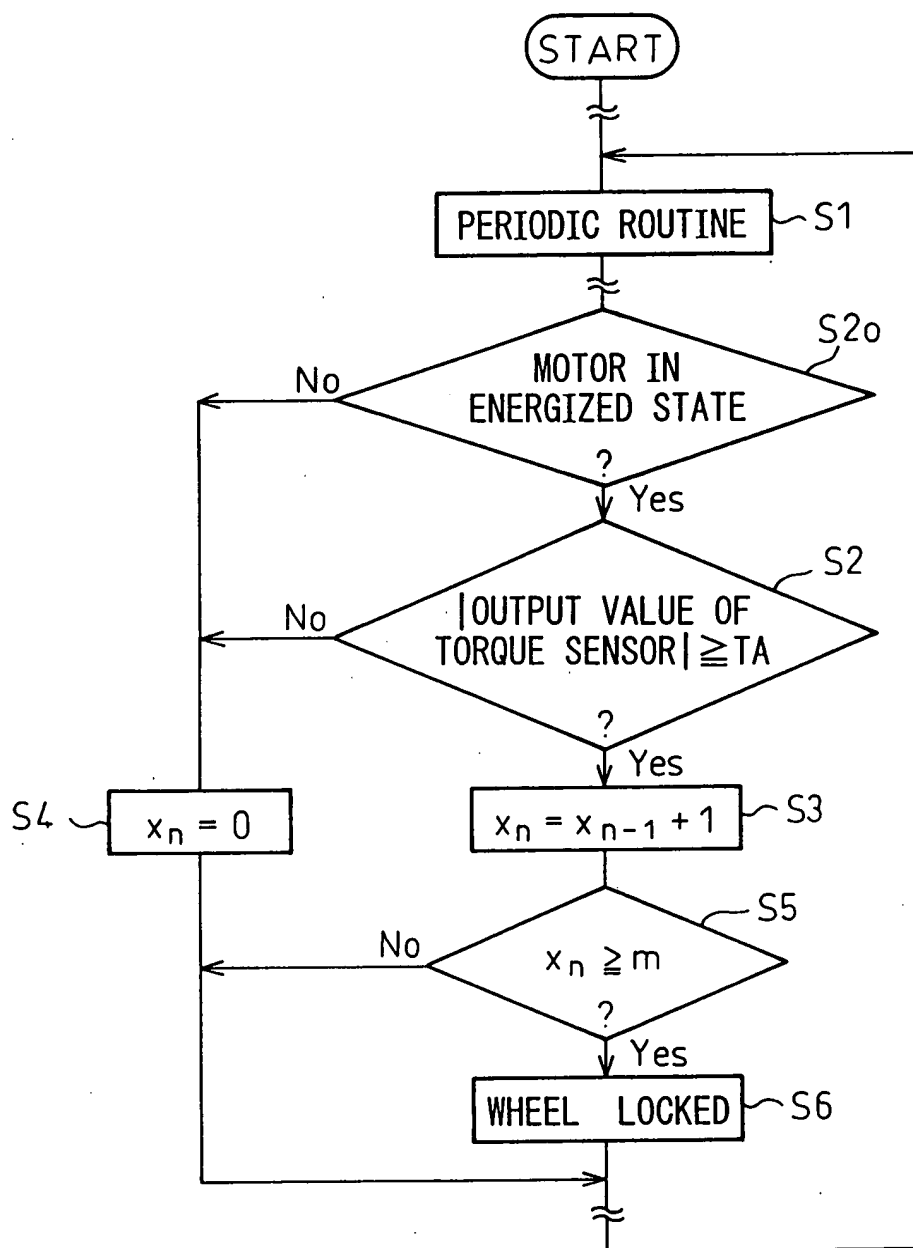




Fig.6

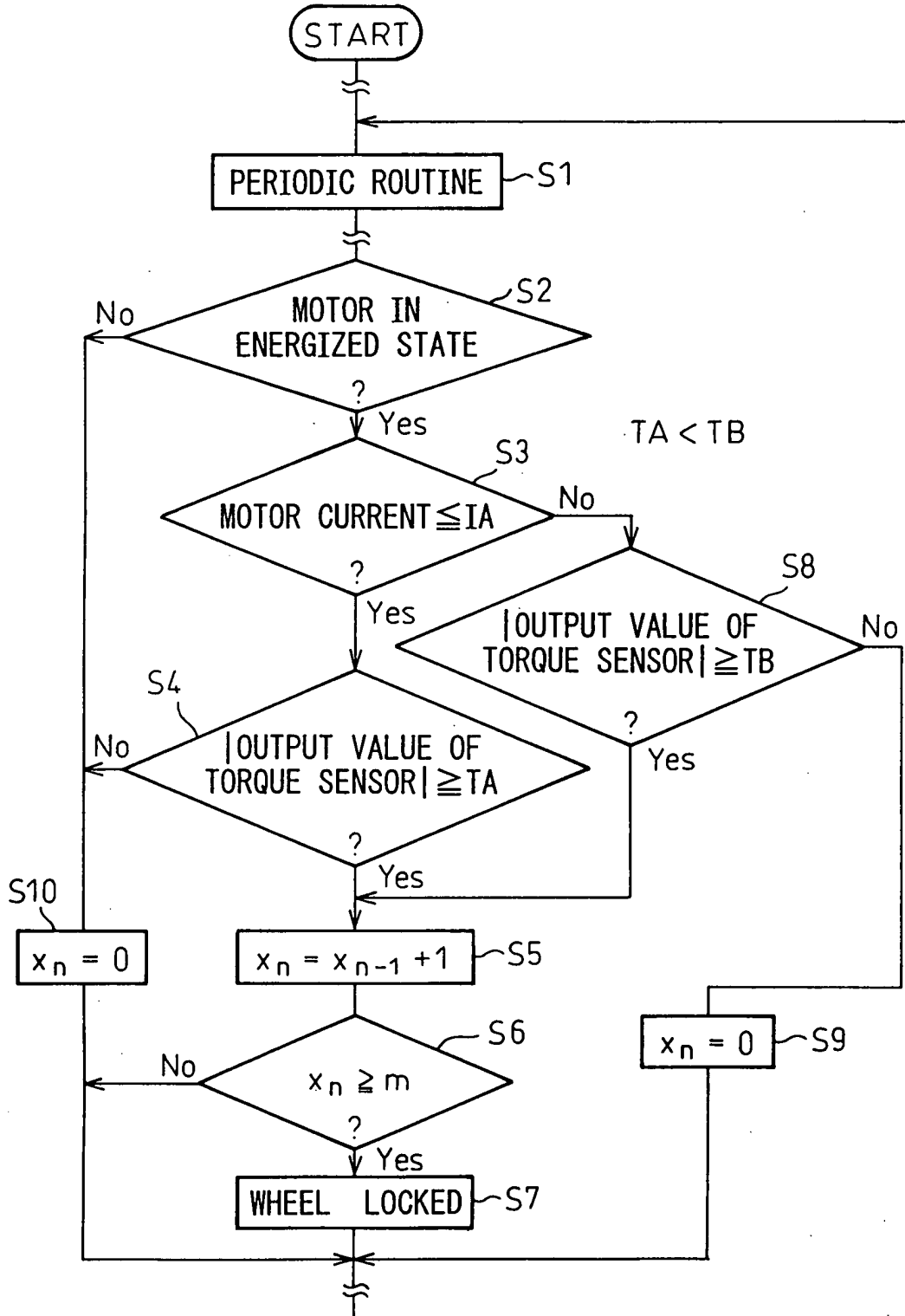




Fig.7

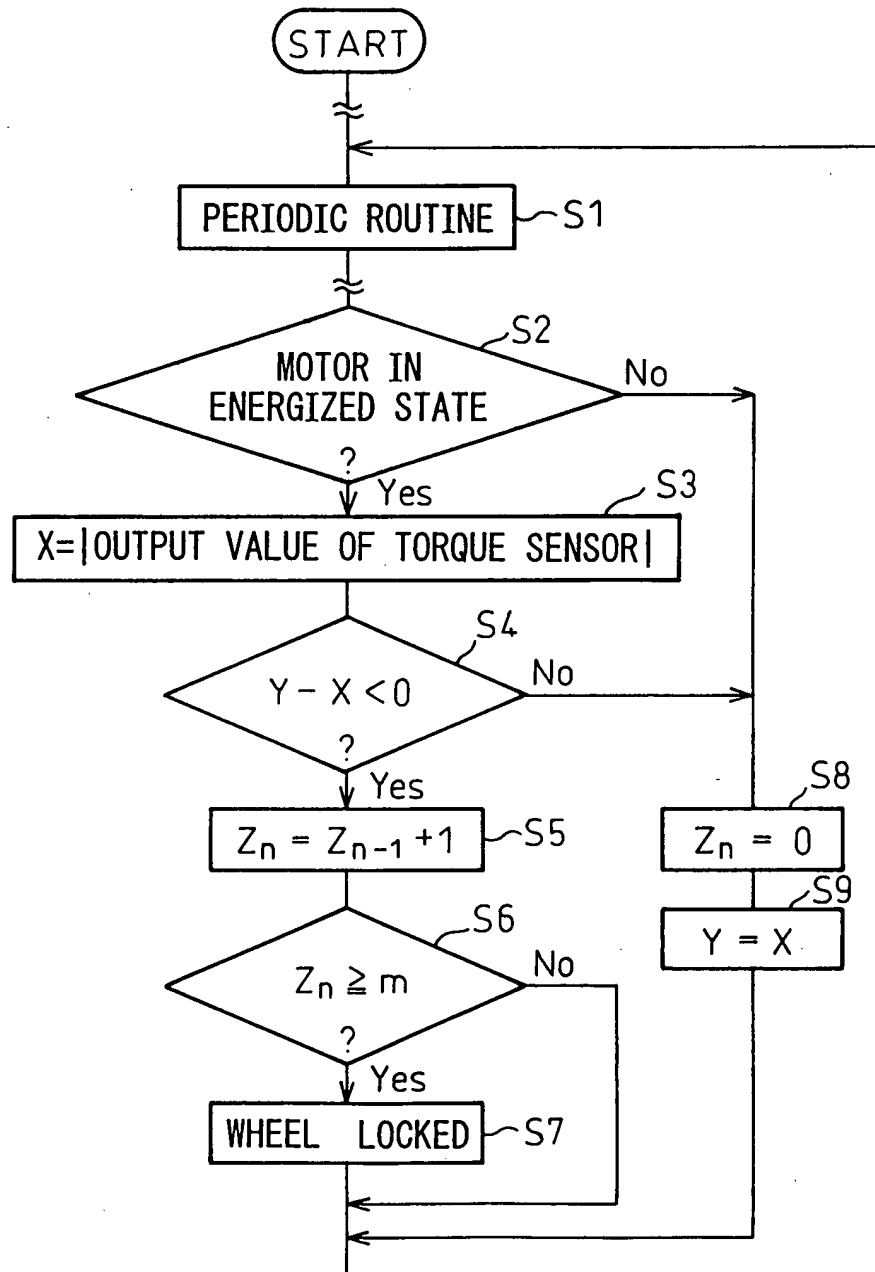




Fig.8

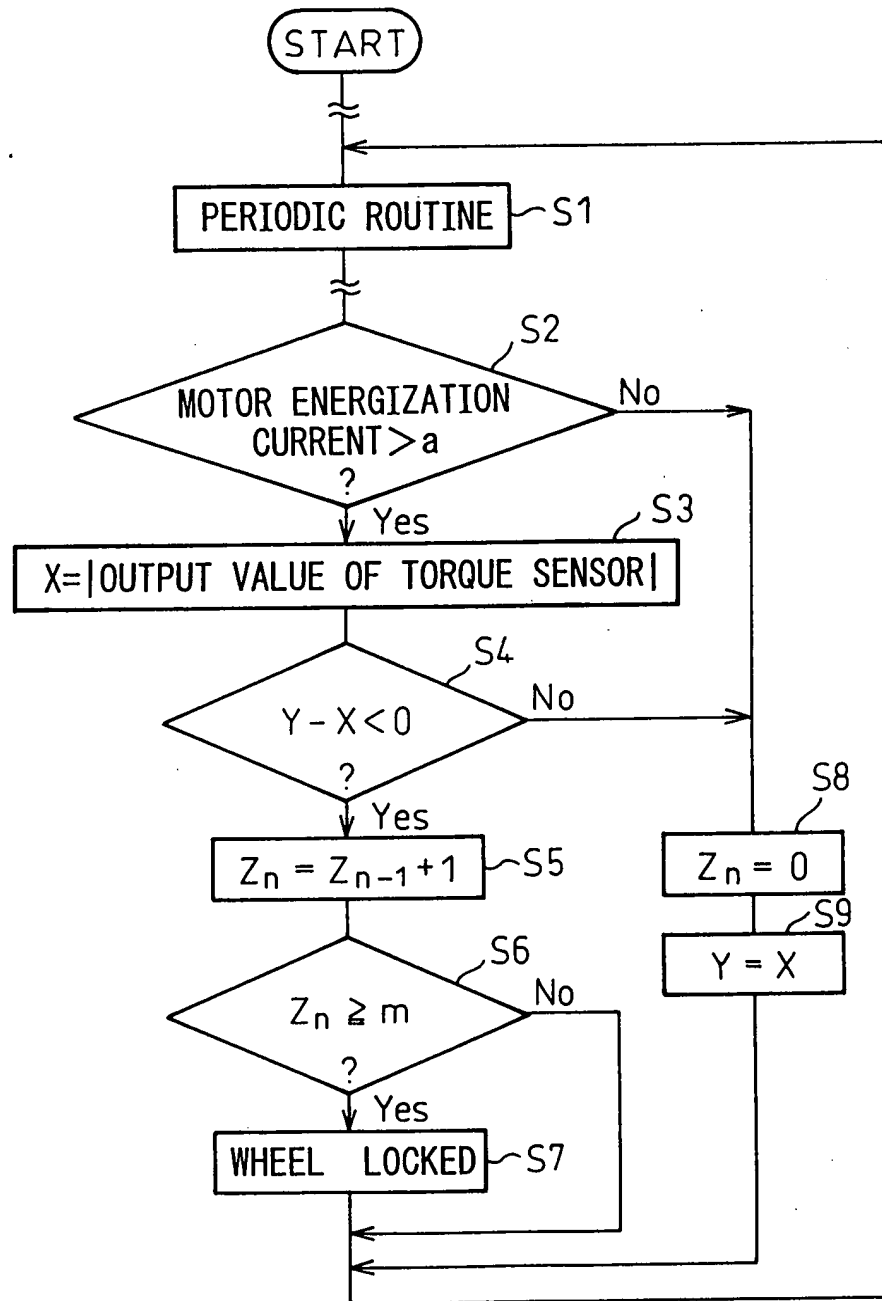




Fig.9

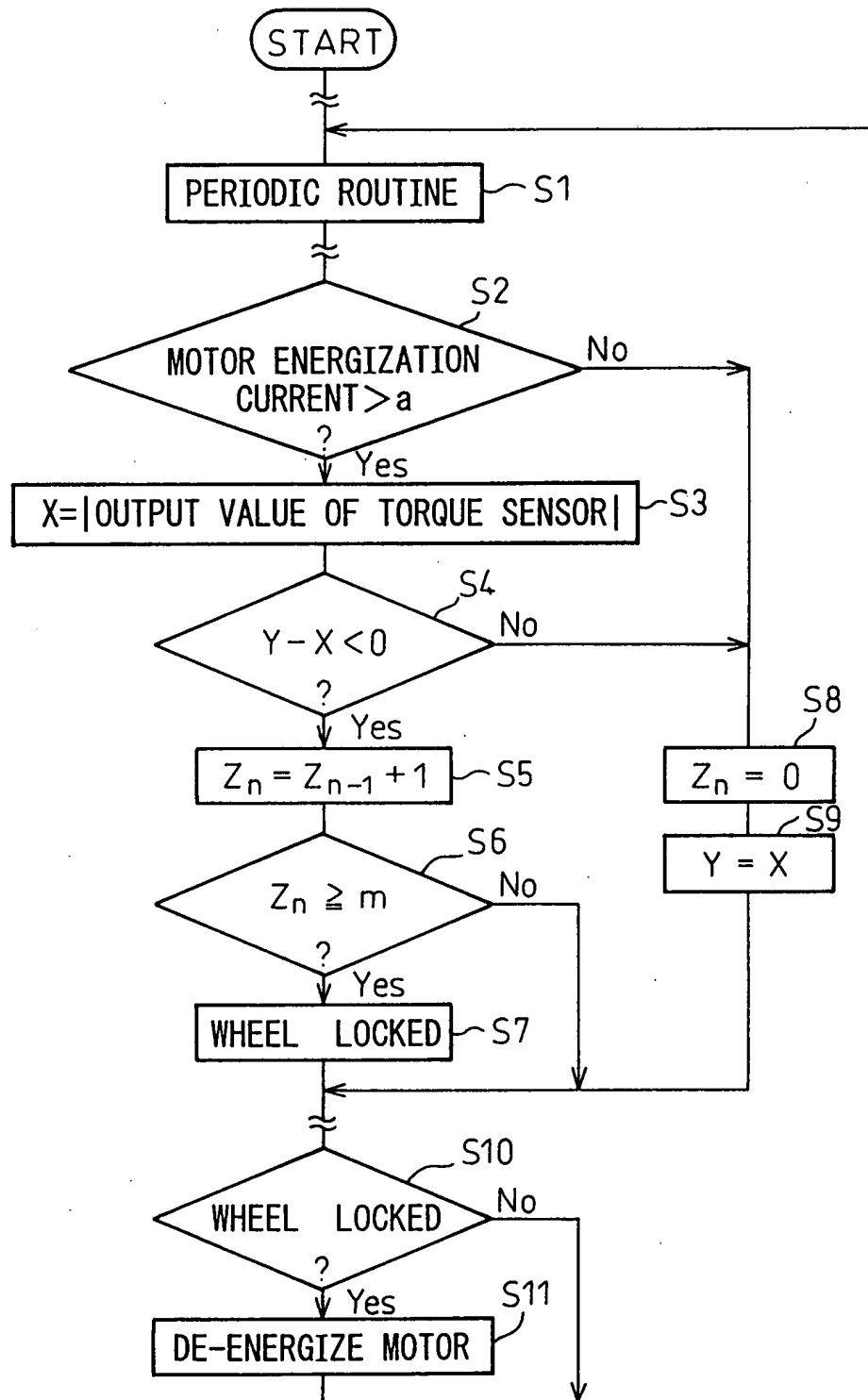




Fig.10

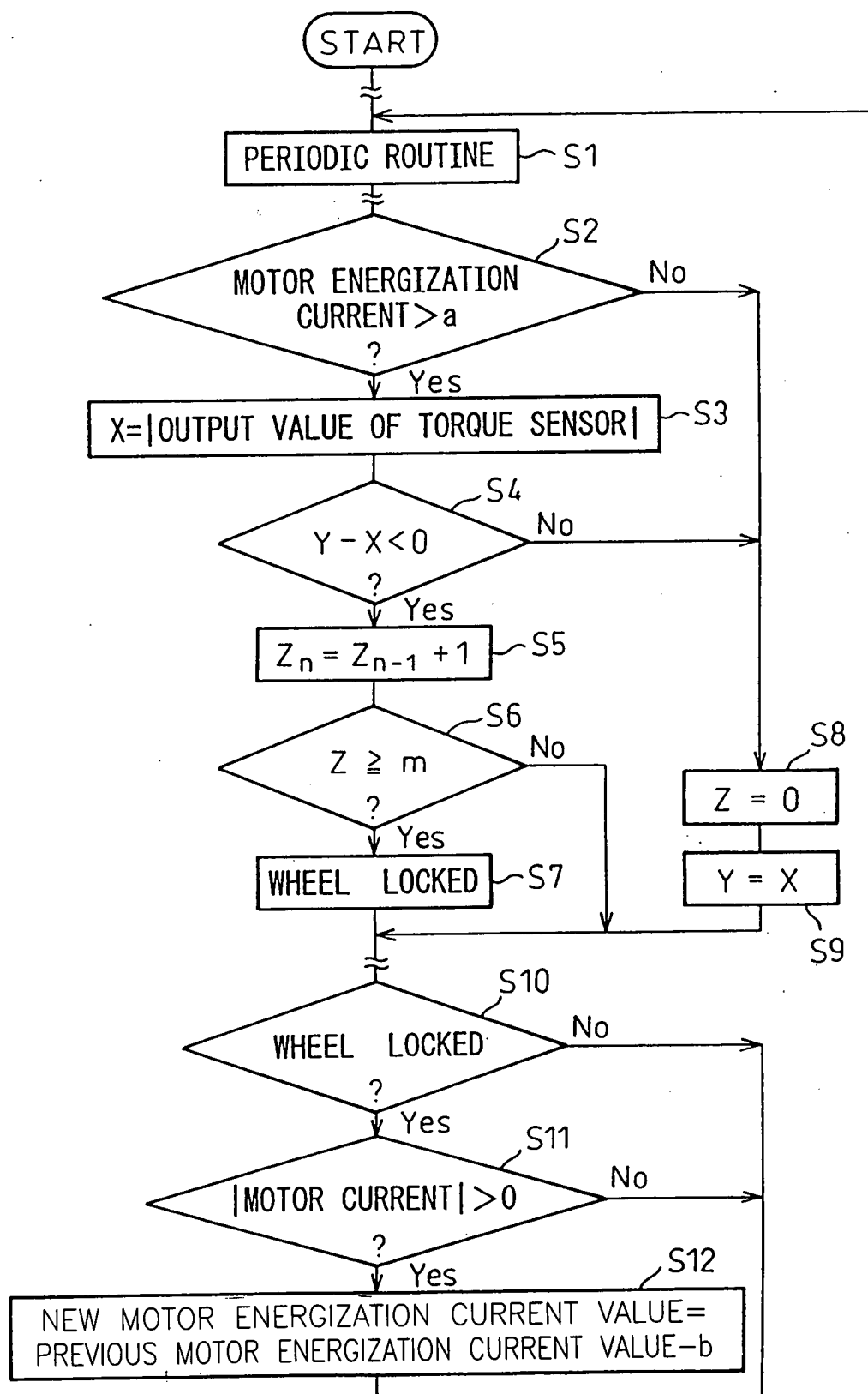
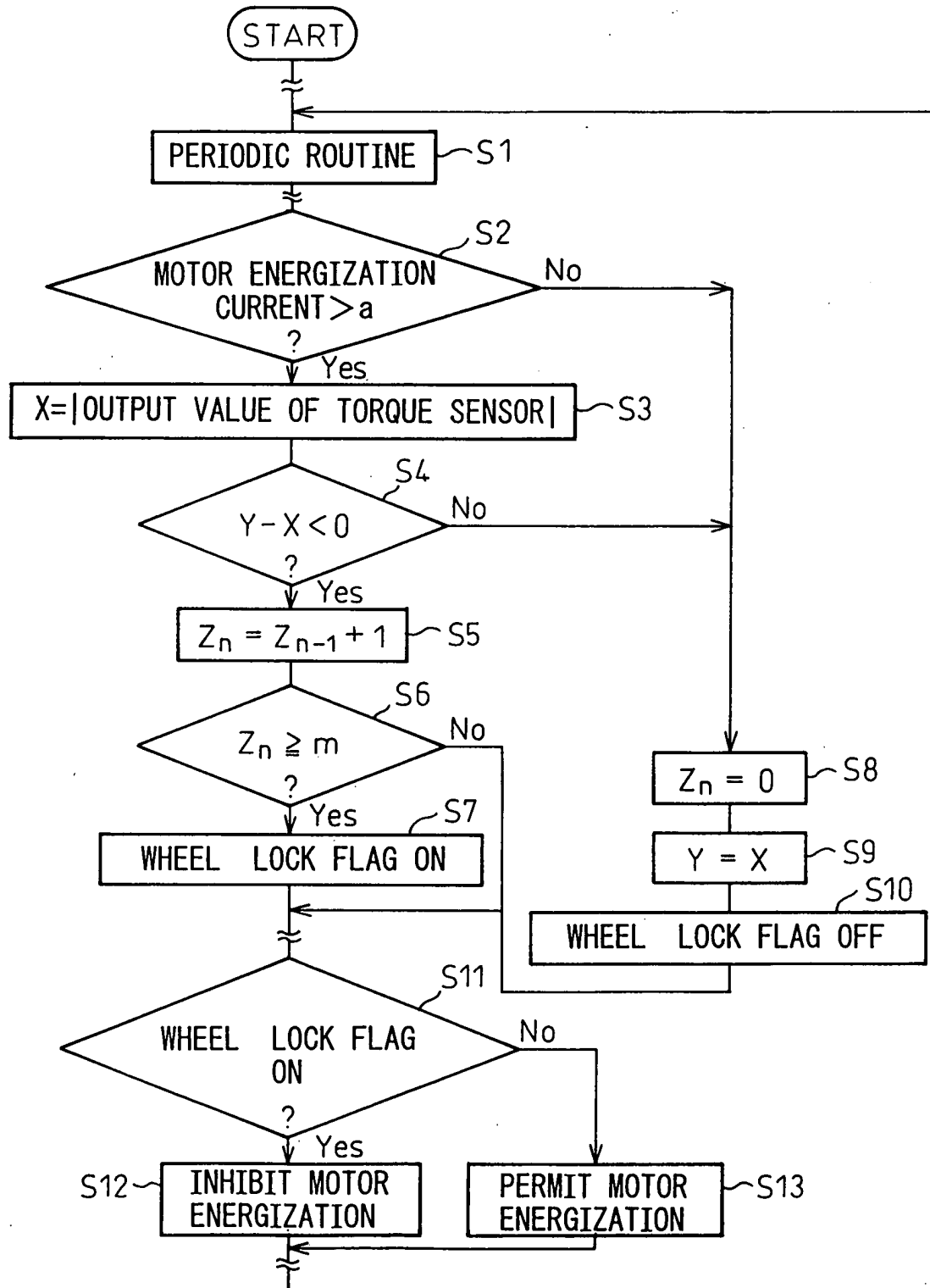




Fig.11



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graph TD
    START([START]) --> S1[PERIODIC ROUTINE S1]
    S1 --> S2{MOTOR ENERGIZATION CURRENT > a? S2}
    S2 -- No --> S8[Zn = 0 S8]
    S2 -- Yes --> S3[X = |OUTPUT VALUE OF TORQUE SENSOR| S3]
    S3 --> S4{Y - X < 0? S4}
    S4 -- No --> S8
    S4 -- Yes --> S5[Zn = Zn-1 + 1 S5]
    S5 --> S6{Zn ≥ m? S6}
    S6 -- No --> S8
    S6 -- Yes --> S7[WHEEL LOCK FLAG ON S7]
    S7 --> S13{WHEEL LOCK FLAG ON? S13}
    S13 -- Yes --> S14[NEW MOTOR ENERGIZATION CURRENT VALUE = PREVIOUS MOTOR ENERGIZATION CURRENT VALUE - b S14]
    S13 -- No --> S15{MOTOR ENERGIZATION PERMIT FLAG ON? S15}
    S15 -- No --> S17[NEW MOTOR ENERGIZATION CURRENT VALUE = PREVIOUS MOTOR ENERGIZATION CURRENT VALUE + b S17]
    S15 -- Yes --> S16[MOTOR ENERGIZATION PERMIT FLAG OFF S16]
    S16 --> S17
    S8 --> S9[Y = X S9]
    S9 --> S10{WHEEL LOCK FLAG ON? S10}
    S10 -- Yes --> S12[MOTOR ENERGIZATION PERMIT FLAG ON S12]
    S10 -- No --> S11[WHEEL LOCK FLAG OFF S11]
    S12 --> S15
    S11 --> S15

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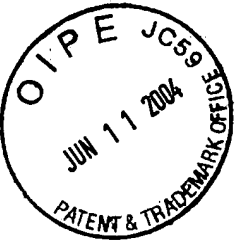


Fig.13

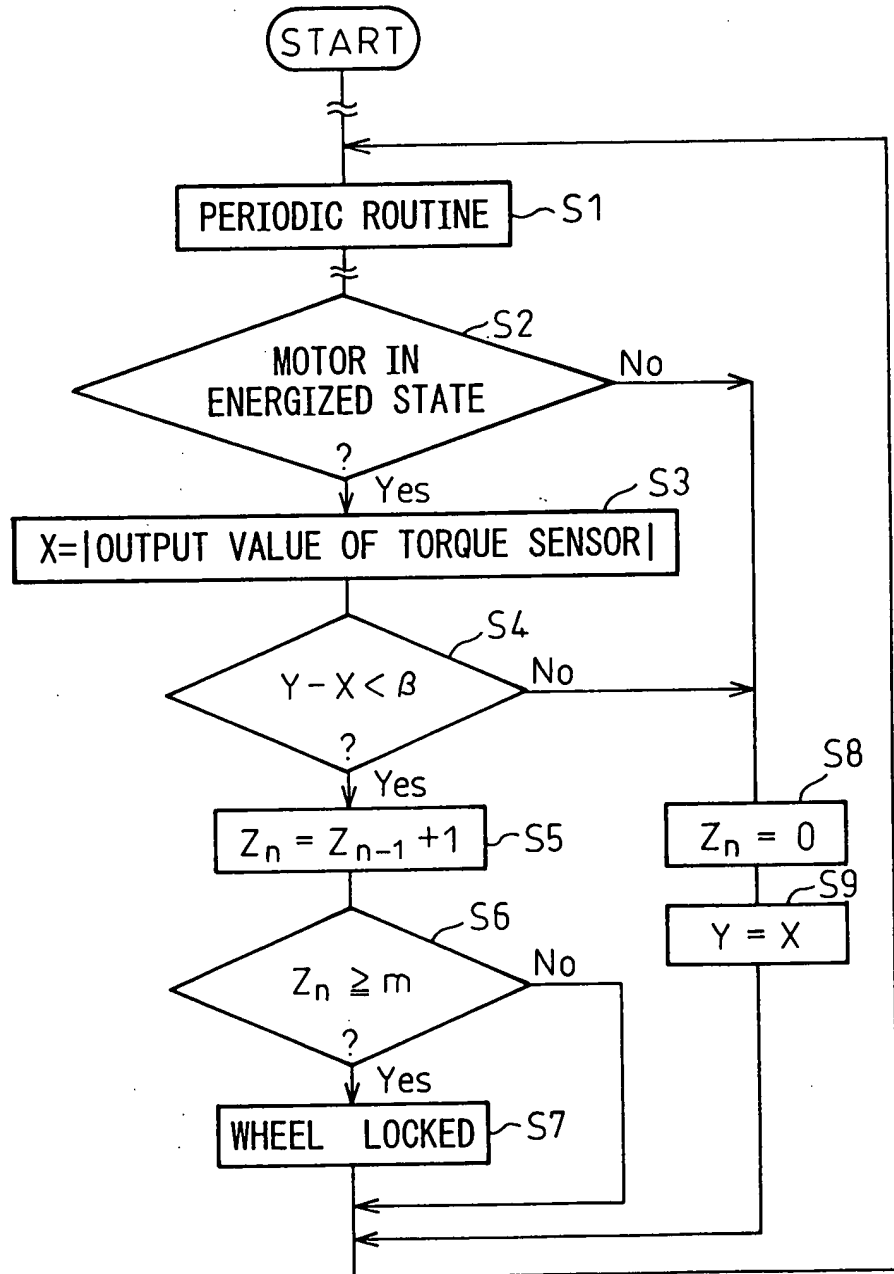




Fig.14

